

OPERATING SYSTEM

COURSE CONTENTS

General

1. What is an Operating System and its role in the Computing environment?
2. Major parts of Operating System.
3. Classification of Operating System.
4. Desktop Vs Server base Operating System.

Windows 7

1. Installing Windows 7
2. Configure disks, Partitions, volumes, and device drivers.
3. Configure file access and printers on a Windows 7 client computer.
4. Configure network connectivity on a windows 7 client computer.
5. Configure wireless network connectivity on a windows 7 client computer. (Bluetooth, Wi Fi)
6. Secure Windows 7 client desktop computers.
7. Optimize and maintain the performance and reliability of a windows 7 client. computer
8. Remote access setting for a windows 7 client computer.

Windows Server

1. Installing Windows Server 2008
2. **Introduction to Administrative Tasks in Windows Server 2008 Environment**
 - a) Managing Server Roles and Features.
 - b) Overview of Action Directory.
 - c) Using Windows Server 2008 Administrative Tools.
3. **Creating Action Directory Domain Services User Computer Objects**
 - a) Managing User Accounts.
 - b) Creating Computer Accounts.
4. **Creating Groups and Organizational Units**
 - a) Introduction to Groups .
 - b) Managing Groups .
 - c) Creating Organizational Units.
5. **Creating and Configuring Groups Policy**

- a) Overview of Groups Policy.
 - b) Configuring the Scope of Groups policy Objects.
 - c) Managing Groups policy Objects.
 - d) Delegating Administrative Control of Group Policy.
 - e) Configuring Group policy setting.
 - f) Configuring Security Policies.
 - g) Configuring an Audit Policy.
- 6. DNS**
- a) Installing and Configuring the DNS Server Role.
 - b) Managing and Troubleshooting DNS.
- 7. Managing Windows Server 2008 Backup and Restore**
- a) Backups with windows Server 2008.
 - b) Planning Backups Policy on Windows Server 2008.
 - c) Planning a Server Restore Policy.

Linux

1. Installing Linux (Red Hat).
2. File System Management.
3. Creating user accounts
4. Installing application software's in Linux.
5. Configuring device drivers.
6. Executing basic commands in Terminal .